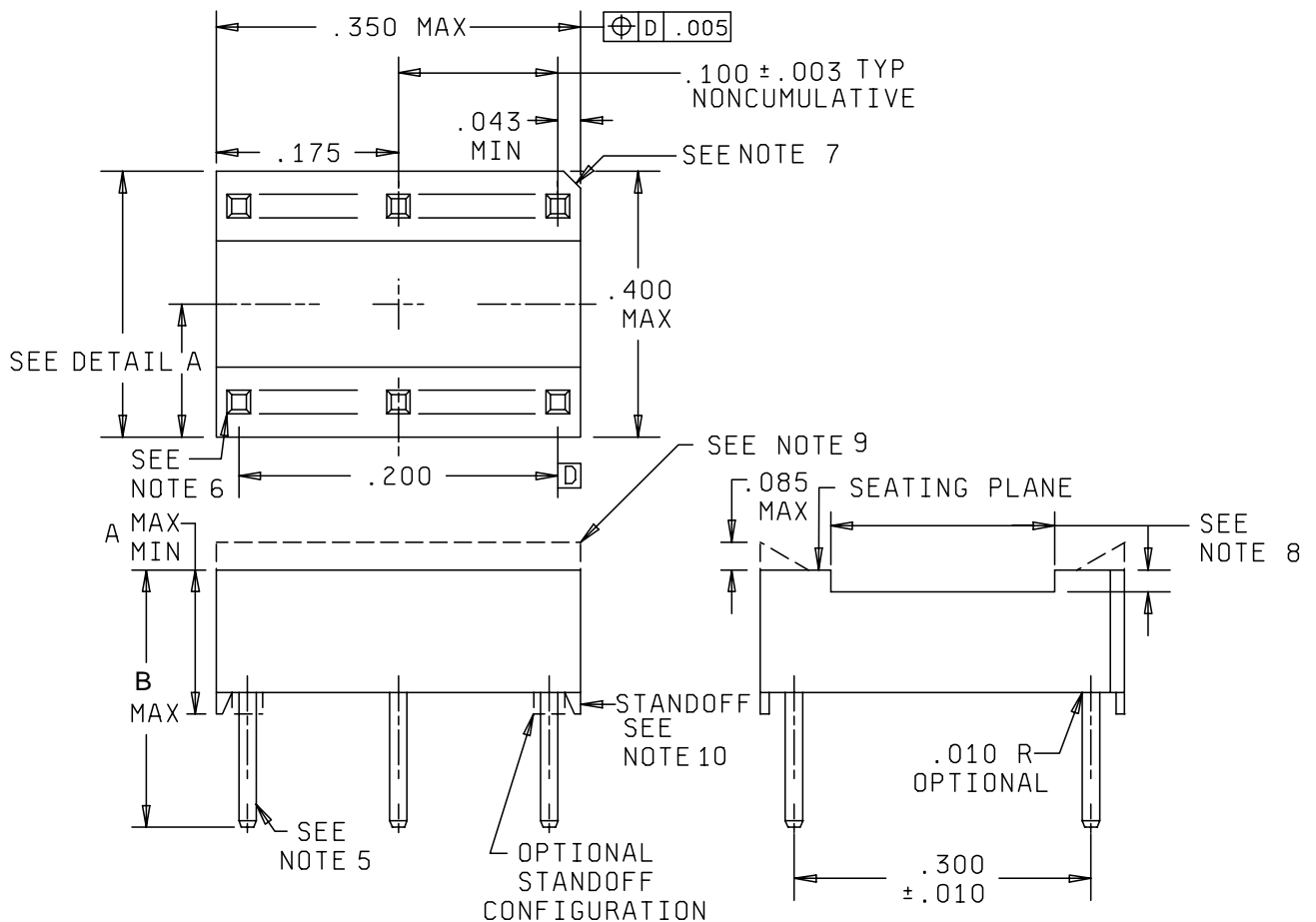


5 September 1986

SOCKETS, PLUG-IN ELECTRONIC COMPONENTS,
(FOR 6 PIN DUAL-IN-LINE PACKAGES)

This specification is approved for use by all Departments and Agencies of the Department of Defense.

The requirements for acquiring the product described herein shall consist of this specification and MIL-DTL-83734.



CONFIGURATION 1 (SOLID BODY WITHOUT MOUNTING HOLES)

FIGURE 1. Dimensions and configurations.

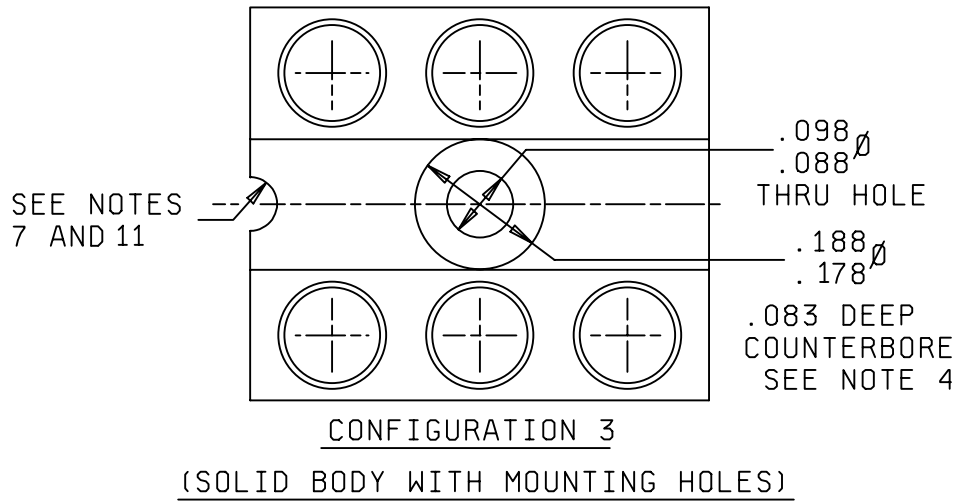
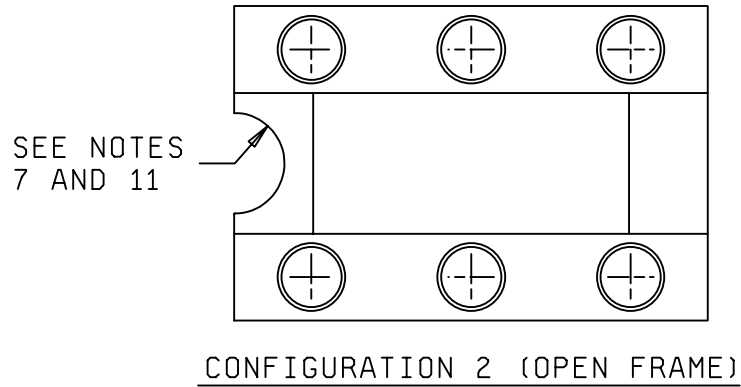
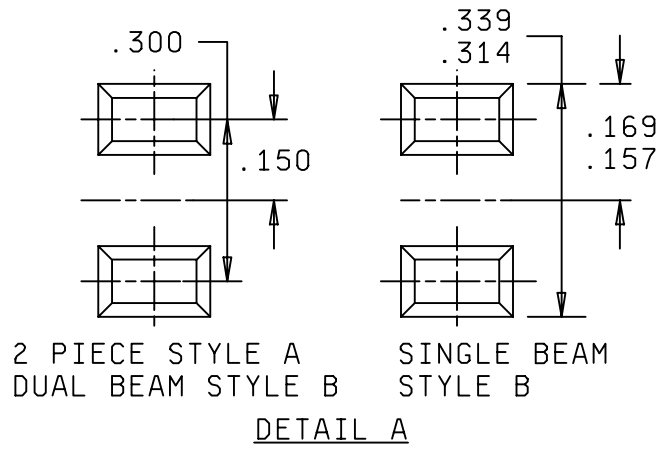


FIGURE 1. Dimensions and configurations - Continued

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Inches	mm	Inches	mm
.003	0.08	.169	4.29
.005	0.13	.175	2.25
.010	0.25	.178	4.52
.020	0.51	.188	4.78
.043	1.09	.200	5.08
.083	2.11	.300	7.62
.085	2.16	.314	7.98
.098	2.49	.339	8.61
.100	2.54	.350	8.89
.135	3.43	.400	10.16
.157	3.99	.980	24.89

Dash number	Dimension "A" max/min (mm)	Dimension "B" max (mm)
-010, 011, 012	.210/.190 (5.33/4.83)	.715 (18.20)
-025, 026, 027	.175/.155 (4.44/3.94)	.300 (7.62)

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified tolerances are ± 0.005 inch (0.13 mm) for three place decimals and ± 0.01 inch (0.3 mm) for two place decimals.
4. A recess to be provided to fully enclose the head or nut of the fastener below the surface of the socket.
5. Contact termination's may be round, squared, or rectangular.
6. Devices shall accept flat leads .008 inch (0.20 mm) to .015 inch (0.38 mm) thick by .015 inch (0.38 mm) to .021 inch (0.53 mm) wide. The values for mating forces are based upon the use of standard leads .011 \pm .002 inch (0.28 \pm 0.05 mm) thick by the device shall be .150 inch (3.81 mm). Contact shall be made at or before reaching a depth of .100 inch (2.54 mm).
7. A visual polarization index shall be provided in the first quadrant. If the visual index overlaps into the fourth quadrant, it shall be adjacent to or clockwise from contact number one.
8. It is desirable that the socket face shall be relieved to facilitate removal of the integrated circuit.
9. Ramped edges optional. Configuration of edges optional.
10. Standoffs optional for termination type I leads.
11. All dimensions of configuration 1 are applicable to configurations 2 and 3.
12. For termination type II, there shall be a minimum of 2 standoffs. The configuration and location of the standoffs is optional.

FIGURE 1. Dimensions and configurations - Continued.

REQUIREMENTS:

Design and construction:

Dimensions and configurations: See figure 1 and table I.

Material and contact finish: In accordance with MIL-DTL-83734.

Termination's (see table I and MIL-DTL-83734).

- a. Type I: Solderless wrap.
- b. Type II: Printed circuit terminal.

Contact identification: See figure 1 and note 7.

Part or Identifying Number (PIN): The PIN shall consist of this specification sheet and the dash number from table I.

Example

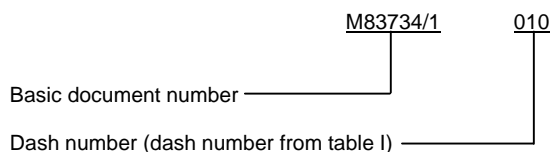


TABLE I. Dash numbers and characteristics. 1/

Dash number M83734/1	Termination type	Contact style	Insulator Configuration	Contact engagement area finish	Termination finish
-010	I	A	3	Gold	Gold
-011	I	A	3	Gold	Tin/lead
-012	I	A	3	Tin/lead	Tin/lead
-025	II	A	1	Gold	Gold
-026	II	A	1	Gold	Tin/lead
-027	II	A	1	Tin/lead	Tin/lead

1/ For replacement purposes, the Government will stock, store, and issue -010, parts only.
(See MIL-DTL-83734.)

Supersession information: See table II.

TABLE II. Supersession information.

Superseded PIN M83734/1- 1/ 2/	New PIN M83734/1-
001	010
002	011
003	012
004	No superseding PIN
005	No superseding PIN
006	No superseding PIN
007	No superseding PIN
008	No superseding PIN
009	No superseding PIN
013	No superseding PIN
016	No superseding PIN
017	No superseding PIN
018	No superseding PIN

1/ Dash numbers 001 through 009 are high profile sockets.

2/ Dash numbers 007 through 009 and 016 through 018 are solder cup termination's.

Replacement information: See table III.

TABLE III. Replacement information.

Substituted PIN M83734/1-	Replacement PIN M83734/1- 1/
013	025 solid body frame
014	026 solid body frame
015	027 solid body frame
019	025
020	026
021	027
022	No replacement PIN <u>3/</u>
023	No replacement PIN <u>3/</u>
024	No replacement PIN <u>3/</u>
028	025 solid body frame <u>4/</u>
029	026 solid body frame <u>4/</u>
030	027 solid body frame <u>4/</u>
031	No replacement PIN <u>3/</u>
032	No replacement PIN <u>3/</u>
033	No replacement PIN <u>3/</u>

1/ Replacement PIN are 2-piece contacts, style A.

2/ Dash numbers 013, 014, 015 are open frame with type II leads.

3/ Dash numbers -022, -023, -024, -031, -032, -033 are solid body with mounting holes and type II leads.

4/ Dash numbers -028, -029, -030 are open frame with type II leads.

NOTE: Revision letters are not used to denote changes due to the extensiveness of the changes.

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CONCLUDING MATERIAL

Custodians:

Army - CR
Navy - EC
Air Force - 11
DLA - CC

Preparing activity:
DLA - CC

(Project 5935-4329-01)

Review activities:

Navy - AS, MC, OS, SH, TD
Air Force - 19, 99